Jadwal Penelitian

Kegiatan	Bulan																											
	Agustus				Januari				Maret				Mei				Juni				Juli				Agustus			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Penyusunan Proposal																												
Seminar Proposal																												
Pelaksanaan penelitian																												
Pengumpulan Data																												
Penyusunan Skripsi																												
Pendadaran Skripsi																												

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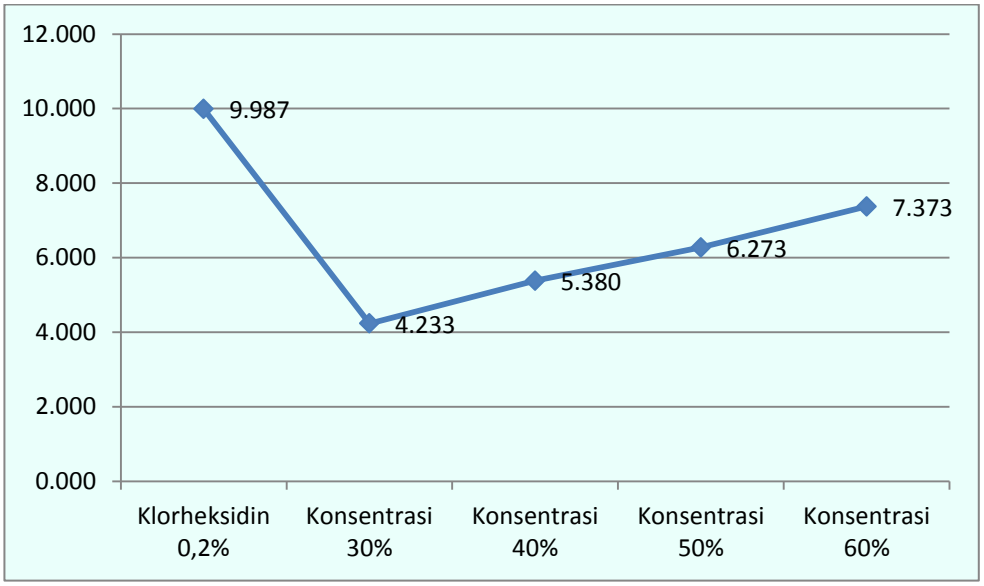
		P1	P2	P3	Hasil
I	Klor	17	16.5	16.5	10.67
	30%	11.5	11	10.5	5.00
	40%	12.5	12	11.5	6.00
	50%	13.5	12.5	12	6.67
	60%	14	13.5	13.2	7.57
II	Klor	16.5	16.5	16	10.33
	30%	10.5	11	9.8	4.43
	40%	11.5	12	11.5	5.67
	50%	12.5	12.7	12.8	6.67
	60%	13.5	13.5	13.6	7.53
III	Klor	16	16.5	15	9.83
	30%	9.5	10.5	9.5	3.83
	40%	11.5	12	11.5	5.67
	50%	12.5	12.8	12.1	6.47
	60%	13.5	13.3	13	7.27
IV	Klor	15	15	16	9.33
	30%	10.5	10.5	10.2	4.40
	40%	11.5	11	11.5	5.33
	50%	12.3	12.2	12.2	6.23
	60%	13.2	13	13	7.07
V	Klor	15	16.5	15.8	9.77
	30%	9	10	9.5	3.50
	40%	10.5	10	10.2	4.23
	50%	11.5	11	11.5	5.33
	60%	13.2	14.3	12.8	7.43

	Klor 0,2%	30%	40%	50%	60%
I	10.67	5.00	6.00	6.67	7.57
II	10.33	4.43	5.67	6.67	7.53
III	9.83	3.83	5.67	6.47	7.27
IV	9.33	4.40	5.33	6.23	7.07
V	9.77	3.50	4.23	5.33	7.43
Rata-rata	9.987	4.233	5.380	6.273	7.373



HASIL UJI NORMALITAS

Explore

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Klorhexidin 0.2%	5	100.0%	0	.0%	5	100.0%
Ekstrak 30%	5	100.0%	0	.0%	5	100.0%
Ekstrak 40%	5	100.0%	0	.0%	5	100.0%
Ekstrak 50%	5	100.0%	0	.0%	5	100.0%
Ekstrak 60%	5	100.0%	0	.0%	5	100.0%

Descriptives

			Statistic	Std. Error
Klorhexidin 0.2%	Mean		9.9860	.23319
	95% Confidence Interval for Mean	Lower Bound	9.3386	
		Upper Bound	10.6334	
	5% Trimmed Mean		9.9844	
	Median		9.8300	
	Variance		.272	

	Std. Deviation		.52142	
	Minimum		9.33	
	Maximum		10.67	
	Range		1.34	
	Interquartile Range		.95	
	Skewness		.190	.913
	Kurtosis		-.883	2.000
Ekstrak 30%	Mean		4.2320	.26026
	95% Confidence Interval for Mean	Lower Bound	3.5094	
		Upper Bound	4.9546	
	5% Trimmed Mean		4.2300	
	Median		4.4000	
	Variance		.339	
	Std. Deviation		.58195	
	Minimum		3.50	
	Maximum		5.00	
	Range		1.50	
	Interquartile Range		1.05	
	Skewness		.018	.913
	Kurtosis		-.770	2.000
Ekstrak 40%	Mean		5.3800	.30640
	95% Confidence Interval for Mean	Lower Bound	4.5293	
		Upper Bound	6.2307	
	5% Trimmed Mean		5.4094	
	Median		5.6700	
	Variance		.469	
	Std. Deviation		.68513	
	Minimum		4.23	
	Maximum		6.00	
	Range		1.77	
	Interquartile Range		1.05	
	Skewness		-1.599	.913
	Kurtosis		2.841	2.000
Ekstrak 50%	Mean		6.2740	.24951
	95% Confidence Interval for Mean	Lower Bound	5.5812	
		Upper Bound	6.9668	
	5% Trimmed Mean		6.3044	
	Median		6.4700	
	Variance		.311	
	Std. Deviation		.55792	
	Minimum		5.33	
	Maximum		6.67	
	Range		1.34	
	Interquartile Range		.89	

	Skewness		-1.702	.913
	Kurtosis		2.898	2.000
Ekstrak 60%	Mean		7.3740	.09196
	95% Confidence Interval for Mean	Lower Bound	7.1187	
		Upper Bound	7.6293	
	5% Trimmed Mean		7.3800	
	Median		7.4300	
	Variance		.042	
	Std. Deviation		.20562	
	Minimum		7.07	
	Maximum		7.57	
	Range		.50	
	Interquartile Range		.38	
	Skewness		-.849	.913
	Kurtosis		-.493	2.000

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Klorhexidin 0.2%	.218	5	.200*	.968	5	.859
Ekstrak 30%	.214	5	.200*	.962	5	.824
Ekstrak 40%	.271	5	.200*	.844	5	.175
Ekstrak 50%	.269	5	.200*	.798	5	.078
Ekstrak 60%	.207	5	.200*	.923	5	.549

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

HASIL UJI HOMOGENITAS

Oneway

Test of Homogeneity of Variances

DayaHambatPertumbuhan Streptococcus mutans

Levene Statistic	df1	df2	Sig.
.887	4	20	.490

ANOVA

DayaHambatPertumbuhan Streptococcus mutans

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	96.270	4	24.068	83.946	.000
Within Groups	5.734	20	.287		
Total	102.004	24			

HASIL UJI ANOVA

Oneway

Descriptives

DayaHambatPertumbuhan Streptococcus mutans

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Klorhexidin 0.2%	5	9.9860	.52142	.23319	9.3386	10.6334	9.33	10.67
Ekstrak 30%	5	4.2320	.58195	.26026	3.5094	4.9546	3.50	5.00
Ekstrak 40%	5	5.3800	.68513	.30640	4.5293	6.2307	4.23	6.00
Ekstrak 50%	5	6.2740	.55792	.24951	5.5812	6.9668	5.33	6.67
Ekstrak 60%	5	7.3740	.20562	.09196	7.1187	7.6293	7.07	7.57
Total	25	6.6492	2.06160	.41232	5.7982	7.5002	3.50	10.67

ANOVA

DayaHambatPertumbuhan Streptococcus mutans

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	96.270	4	24.068	83.946	.000
Within Groups	5.734	20	.287		
Total	102.004	24			

Post Hoc Tests

Multiple Comparisons

DayaHambatPertumbuhan Streptococcus mutans

LSD

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Klorhexidin 0.2%	Ekstrak 30%	5.75400*	.33865	.000	5.0476	6.4604
	Ekstrak 40%	4.60600*	.33865	.000	3.8996	5.3124
	Ekstrak 50%	3.71200*	.33865	.000	3.0056	4.4184
	Ekstrak 60%	2.61200*	.33865	.000	1.9056	3.3184
Ekstrak 30%	Klorhexidin 0.2%	-5.75400*	.33865	.000	-6.4604	-5.0476
	Ekstrak 40%	-1.14800*	.33865	.003	-1.8544	-.4416
	Ekstrak 50%	-2.04200*	.33865	.000	-2.7484	-1.3356

	Ekstrak 60%	-3.14200*	.33865	.000	-3.8484	-2.4356
Ekstrak 40%	Klorhexidin 0.2%	-4.60600*	.33865	.000	-5.3124	-3.8996
	Ekstrak 30%	1.14800*	.33865	.003	.4416	1.8544
	Ekstrak 50%	-.89400*	.33865	.016	-1.6004	-.1876
	Ekstrak 60%	-1.99400*	.33865	.000	-2.7004	-1.2876
Ekstrak 50%	Klorhexidin 0.2%	-3.71200*	.33865	.000	-4.4184	-3.0056
	Ekstrak 30%	2.04200*	.33865	.000	1.3356	2.7484
	Ekstrak 40%	.89400*	.33865	.016	.1876	1.6004
	Ekstrak 60%	-1.10000*	.33865	.004	-1.8064	-.3936
Ekstrak 60%	Klorhexidin 0.2%	-2.61200*	.33865	.000	-3.3184	-1.9056
	Ekstrak 30%	3.14200*	.33865	.000	2.4356	3.8484
	Ekstrak 40%	1.99400*	.33865	.000	1.2876	2.7004
	Ekstrak 50%	1.10000*	.33865	.004	.3936	1.8064

*. The mean difference is significant at the 0.05 level.

LABORATORIUM BIOLOGI
FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN
UNIVERSITAS MUHAMMADIYAH SURAKARTA
Jl. A. Yani Tromol Pos I Pabelan Kartasura Surakarta 57102.Telp. (0271) 717417 ext 171

SURAT KETERANGAN

No: 565/A.E-I/LAB.BIO/V/2016

Yang bertanda tangan di bawah ini atas nama Laboratorium Biologi Universitas Muhammadiyah Surakarta menerangkan bahwa:

Nama : Awang Zuhada
NIM : J 520 120 049
Fakultas : Kedokteran Gigi
Perguruan Tinggi : Universitas Muhammadiyah Surakarta

Menyatakan bahwa mahasiswa tersebut telah mendeterminasikan Tanaman **Sawo Manila** (***Manilkara achras*** **(Mill.) Fosberg.**) dengan sinonim ***Manilkara zapotilla*** **(Jacq.) Gilley.** dan ***Achras zapota*** **Auct.** Pendeterminasian dilakukan pada:

Hari : Rabu
Tanggal : 04 Mei 2016
Tempat : Laboratorium Biologi

Demikian surat keterangan ini kami buat, harap dipergunakan dengan semestinya.

Surakarta, 04 Mei 2016

Mengetahui,

Kepala Laboratorium Biologi,

Triastuti Rahayu, M.Si.
NIK: 920

Penanggung jawab determinasi,

Siti Kartika Sari, M.Pd.

DEPARTEMEN MIKROBIOLOGI
FAKULTAS KEDOKTERAN HEWAN UNIVERSITAS GADJAH MADA
Jl. Fauna No. 2, Karangmalang, Yogyakarta, Indonesia 55281
Telp. (0274) 560861, Fax. (0274) 560862, E-mail: mikrobiologi-fkh@ugm.ac.id

SURAT KETERANGAN

No. 4/MIKRO-KH/Penelitian/VIII/2016

Bersama ini Ketua Bagian Mikrobiologi Fakultas Kedokteran Hewan Universitas Gadjah Mada Yogyakarta, Menerangkan bahwa :

Nama : **AWANG ZUHADA**
NIM : **J520120049**

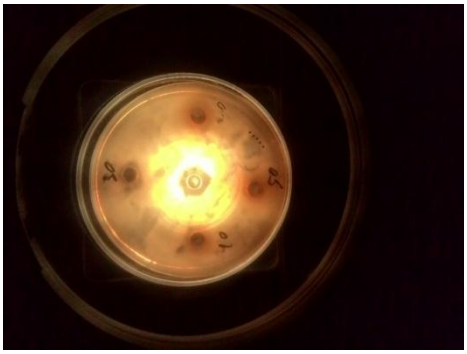
Telah menyelesaikan kegiatan penelitian di Laboratorium Mikrobiologi Fakultas Kedokteran Hewan Universitas Gadjah Mada Yogyakarta, untuk keperluan penyusunan Skripsi dengan Judul :

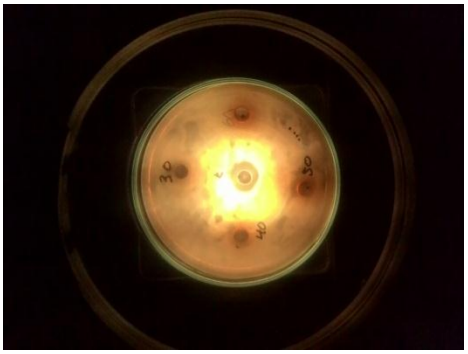
" EFEKTIFITAS EKSTRAK ETANOL KULIT BUAH SAWO MANILA (*Achras zapota*) TERHADAP DAYA HAMBAT PERTUMBUHAN *Streptococcus mutans* (Kajian *In Vitro*) "

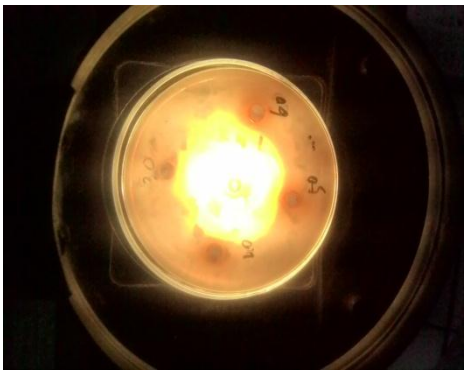
Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

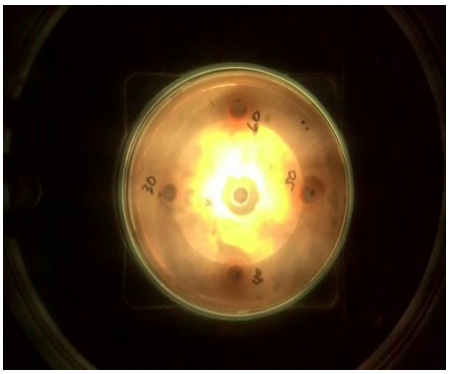
Yogyakarta, 25 Juli 2016
Departemen Mikrobiologi FKH-UGM
Sekretaris,

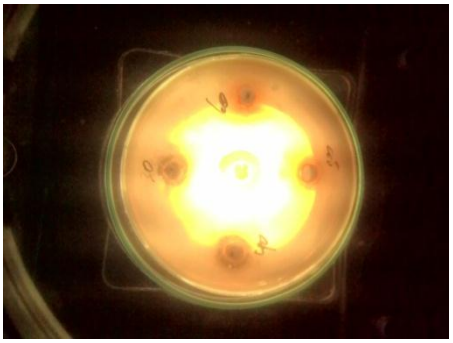
Prof. Dr. drh. AETH. Wahyuni, MSi.
NIP.196208151990032001









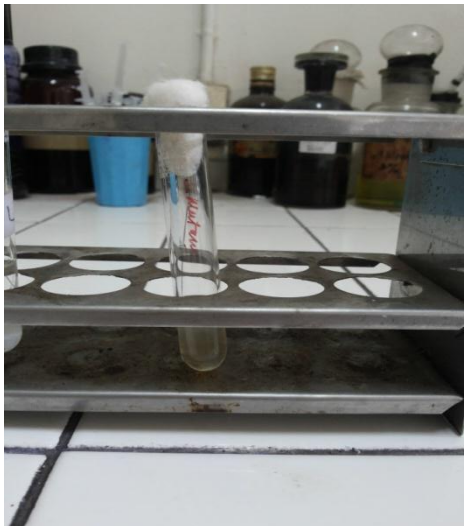


Mikropipet

jangka sorong

Inkubator

votex



BHI (*Brain Heart Infusion*)

kaca pembesar